(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



T CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR

(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/058588 A1

(51) International Patent Classification⁷: B60C 13/00

B29D 30/06,

(21) International Application Number:

PCT/EP2003/014119

(22) International Filing Date:

12 December 2003 (12.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

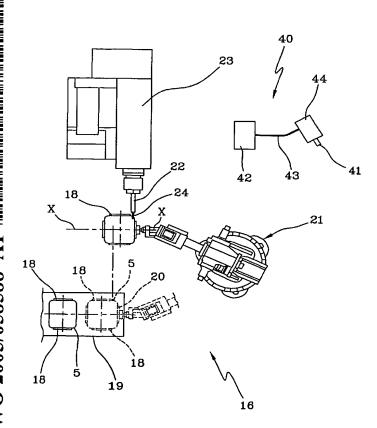
- (71) Applicant (for all designated States except US): PIRELLI PNEUMATICI S.P.A. [IT/IT]; Viale Sarca, 222, I-20126 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LACAGNINA, Claudio [IT/IT]; Pirelli Pneumatici S.p.A., Viale Sarca,

222, I-20126 Milano (IT). MAGNANI, Filippo [IT/IT]; Pirelli Pneumatici S.p.A., Viale Sarca, 222, I-20126 Milano (IT).

- (74) Agent: TANSINI, Elio, Fabrizio; Bugnion S.p.A., Viale Lancetti, 17, I-20158 Milano (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

[Continued on next page]

(54) Title: PROCESS FOR MANUFACTURING A TYRE COMPRISING THE STEP OF MARKING A STRUCTURAL ELE-MENT THEREOF



(57) Abstract: The present invention relates to a process for manufacturing a tyre. The process comprises the following steps: a) providing a carcass structure; b) providing one structural element of the tyre by laying down at least one elongate element (24) made of crude elastomer material in a position radially external to said carcass structure; c) providing the structural element of the green tyre with one marking by means of an inkjet marking device (40); d) introducing the green tyre into a moulding cavity, and f) curing the green tyre.

WO 2005/058588 A1



Published:

with international search report

SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.